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PTO/SB/08A (08-00)
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<p>Substitute for form 1449A/PTO</p> <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>			<p>C m p l e t e if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td style="width: 50%;"></td></tr><tr><td>Filing Date</td><td>Herewith</td></tr><tr><td>First Named Inventor</td><td>Yiu Chau Chau</td></tr><tr><td>Group Art Unit</td><td>1724</td></tr><tr><td>Examiner Name</td><td>PAM</td></tr><tr><td>Attorney Docket Number</td><td>144 P 022</td></tr></table>		Application Number		Filing Date	Herewith	First Named Inventor	Yiu Chau Chau	Group Art Unit	1724	Examiner Name	PAM	Attorney Docket Number	144 P 022
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Filing Date	Herewith															
First Named Inventor	Yiu Chau Chau															
Group Art Unit	1724															
Examiner Name	PAM															
Attorney Docket Number	144 P 022															
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1046 U.S. PTO
10/02/01
12/21/01

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
dlz		163,814		Sinclair	05/25/1875	
		171,056		Sinclair	12/14/1875	
		197,368		Hobson	11/20/1877	
		2,101,961		Slidell	12/14/1937	
		3,523,762		Broughton	08/11/1970	
		4,115,275		Kelly	09/19/1978	
		4,196,081		Pavia	04/01/1980	
		4,412,923		Capitani et al.	11/01/1983	
		4,642,192		Heskett	02/10/1987	
		5,041,219		Strand et al.	08/20/1991	
		5,133,385		Kawakami	07/28/1992	
		5,135,654		Heskett	08/04/1992	
		5,149,437		Wilkinson et al.	09/22/1992	
		5,164,082		Lin	11/17/1992	
		5,171,442		Nakshbendi	12/15/1992	
dlz		5,205,932		Solomon et al.	04/27/1993	
		5,242,589		Kuo et al.	09/07/1993	
		5,340,478		Strand et al.	08/23/1994	
		5,415,770		Heskett	05/16/1995	
		5,628,900		Naito	05/13/1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
dlz		EP	0 720 862			01/05/1996		
		GB	2 174 920			11/19/1986		
		JP	6-137442A			05/17/1994		

Examiner Signature		Date Considered	5/21/04
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	
				Filing Date	herewith
				First Named Inventor	Yiu Chau Chau
				Group Art Unit	PT24
				Examiner Name	PIHAMA
Sheet	2	of	3	Attorney Docket Number	144 P 022

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Examiner Signature	<i>Hinkelbrauthman</i>	Date Considered	5/21/09
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Application Number					
Filing Date		Herewith			
First Named Inventor		Yiu Chau Chau			
Group Art Unit		1724			
Examiner Name		PHAM			
Attorney Docket Number		144 P 022			
Sheet	3	of	3		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
allu		"The 5600 Water Conditioning Control", undated.	
↓		"Owners Manual How to Maintain and Operate your EcoWater Electronic Demand Water System", EcoWater Systems, St. Paul, MN, 8/95, 32 pages.	
allu		"Controls for Water Treatment", Fleck Controls, Inc., Brookfield, WI, 9/96, 8 pages.	

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(Use as many sheets as necessary)

Sheet	1
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of 2

Complete if Known

Application Number	10/026,233
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Filing Date	December 21, 2001
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First Named Inventor	Yiu Chau Chau
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Art Unit	1724
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Examiner Name

Attorney Docket Number	144 P 022
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U. S. PATENT DOCUMENTS

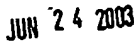
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
NY		EP 0 487 327 A2	05/27/1992	Tsutomu Sasaki		
↓		EP 0 598 590 A1	05/25/1994	Amway Corp.		
MS		WO 99 37375 A1	07/29/1999	Clorox Company		

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10/026.233

December 21, 2001

Yiu Chau Chau

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PCT International Search Report for Application No. PCT/IB 02/05762 mailed May 15, 2003.

**Examiner
Signature**

Winkler, Nathan

Date _____

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